

**IN THE CLAIMS:**

Please re-write the claims to read as follows:

- 1 1. (Currently Amended) A method for traffic shaping for packet data communica-  
2 tions comprising:  
3           establishing one or more packet queues, each queue carrying packet traffic  
4           for a particular connection having a desired packet transfer rate;  
5           directing each incoming packet to the queue assigned to the connection  
6           over which the packet is received;  
7           providing a frequency for packet transfer, the frequency selected from  
8           ~~in~~ a series of frequencies;  
9           generating packet transfer rates appropriate for each existing output con-  
10          nection by combining packet transfer frequencies; and  
11          transferring a packet from an assigned queue in response to combined  
12          transfer frequencies.
- 1 2. (Original) The method of claim 1 wherein said directing step further comprises:  
2          receiving said packets by receiving logic.
- 1 3. (Original) The method of claim 1 wherein said providing a frequency step further  
2          comprises:  
3          generating packet transfer signals by a timing logic circuit.
- 1 4. (Original) The method of claim 1 wherein said transferring a packet step further  
2          comprises:

3            transferring by cell transfer logic circuits in response to said combined transfer  
4 frequencies.

1    5.        (Original) The method of claim 1 further comprising:  
2            diverting a packet from an assigned queue in the event that the assigned queue is  
3 filled above a threshold by reception of said packet.

1    6.        (Original) The method of claim 1 further comprising:  
2            inhibiting generation of a packet transfer signal if any higher frequency output is  
3 enabled to generate a packet transfer signal.

1    7.        (Original) The method of claim 1 further comprising:  
2            establishing lists of associations between a timing circuit and packet queues, said  
3 timing circuit enabled to generate packet transfer signals for any queue on its list.

1    8.        (Original) The method of claim 1 further comprising:  
2            generating a phase difference between an outputs from timing circuits for  
3 neighboring frequencies in the series of frequencies.

1    9.        (Original) The method of claim 1 further comprising:  
2            generating each frequency of said series of frequencies so that the frequencies are  
3 represented by  $F/v$ , where  $F$  is a maximum packet transfer rate and  $v$  is an integer value.

1    10.       (Original) A method for operating a switching hub having a switching fabric, at  
2 least one input adapter and at least one output adapter, one or more of said input or output  
3 adapters including a traffic shaping apparatus, comprising:  
4            providing one or more packet queues, each queue carrying packet traffic  
5            for a particular connection having a desired packet transfer rate;

6 directing each incoming packet to the queue assigned to the connection  
7 over which the packet is received;  
8 providing a frequency in a series of frequencies to generate a packet trans-  
9 fer rate;  
10 combining said frequency for a plurality of said queues to generate packet  
11 transfer rates appropriate for each existing connection; and  
12 transferring a packet from the assigned queue to a given output connection  
13 in response to combined frequencies appropriate to the given output connection.

1 11. (Currently Amended) A computer readable media, comprising:  
2 said computer readable media containing instructions for execution on a processor  
3 for the practice of  
4 ~~having instructions which a computer responds to for practice of~~  
5 the methods of claim 1 or claim 10 ~~written thereon.~~

1 12. (Currently Amended) Electromagnetic signals propagating over a computer net-  
2 work, comprising:  
3 said electromagnetic signals carrying instructions for execution on a processor  
4 ~~a computer responding to said electromagnetic signals~~ for the practice of the methods  
5 ~~method~~ of claim 1 or claim 10.